8

SEARCH REQUEST FORM
Scientific and Technical Information Center
EIC 2600

Requester's Full Name **Mia Thomas**   Examiner # **83135** Date **1-9-07**

Art Unit **2112** Phone Number _____   Serial Number **10/819797**

Office Location **Jeff P.T.O** · Format preferred (circle) PAPER **EMAIL** BOTH
Lab 2

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible
the subject matter to be searched. Let us know what you already have and so do not need.
Include the keywords, synonyms and meaning of acronyms. Define all terms that may have a
specific meaning. Please attach a copy of the background, abstract, claims and other pertinent
information.
Please state how the terms or keyword strings should relate to one another.

Title of the Invention _____

Inventor(s)
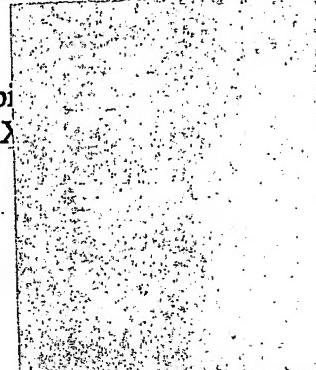
_____

_____

Earliest Priority date to be used _____

****

Set	Items	Description
S1	635746	(IMAGE?? OR PHOTO?? OR PHOTOGRAPH??)
S2	304	S1(3N)SKETCH??
S3	419	(PRIMITIVE?? OR PRIMAL)(3N)LAYER??
S4	6742	(DOWN OR DOWNED)(3N)SAMPL?
S5	27142	(EDGE?? OR CONTOUR??? OR RIDGE??)(5N)(ENHANC? OR ADJUST? OR CORRECT? OR RECONSTRUCT? OR IMPROVE?? OR IMPROVING OR RESTOR? OR REPLAC?)
S6	3818	ANTI()ALIAS? OR ANTIALIAS?
S7	41417	INTERPOLAT?
S8	1954	HALLUCINAT?
S9	74	MAXIMUM()POSTERIOR?
S10	71	BANK() FILTER???
S11	339	AU=(SUN, J? OR SUN J? OR SHUM H? OR SHUM H? OR TAO, H?) OR JIAN(2N)SUN OR HEUNG(2N)SHUM OR HAI(2N)TAO
S12	2144	S1(5N)S5
S13	11	S12(5N)S6
S14	3	S13 AND IC=G06K?
S15	54	S12(5N)S7
S16	0	S15(5N)S8
S17	0	S15(5N)S9
S18	0	S15(5N)S10
S19	2	S15 AND IC=G06K?
S20	2	S15 AND IC=G06K?
S21	0	S20 NOT S19
S22	0	S2(5N)S5
S23	0	S2(5N)(S6:S10)
S24	2	S4(5N)S5
S25	20	S4(5N)S6
S26	19	S25 NOT S24
S27	1	S26 AND IC=G06K?
S28	73	S4(5N)S7
S29	0	S28(5N)S8
S30	2	S28 AND IC=G06K?
S31	0	S24(5N)S9
S32	0	S24(5N)S10
S33	22	S5(5N)S6
S34	0	S33(5N)S7
S35	0	S33(5N)(S8:S10)
S36	20	S4(5N)S6
S37	1	S36 AND IC=G06K?
S38	1	S36(5N)S7
S39	0	S36(5N)(S8:S10)
S40	0	S3(5N)S6
S41	0	S3(5N)(S7:S10)
S42	431	S1(5N)S6
S43	0	S42(5N)S8
S44	0	S42(5N)S9
S45	0	S42(5N)S10
S46	2	S11(5N)S1

?

Sylvia Keys   12-Jan-07 03:18 PM

DIALOG(R)File 348:EUROPEAN PATENTS
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01073836
Programmable mapping of lower resolution digital data to a higher resolution for output on a lower resolution device
Programmierbare Auflosungumwandlung von digitalen Daten mit niedriger Auflosung zu einer hoheren Auflosung fur die Wiedergabe auf einem niedrigauflosendem Ausgabegerat
Transformation programmable de donnees numeriques de faible resolution a une resolution plus elevee pour sortie sur un dispositif de resolution plus faible
PATENT ASSIGNEE:
  Hewlett-Packard Company, A Delaware Corporation, (3016020), 3000 Hanover Street, Palo Alto, CA 94304, (US), (Proprietor designated states: all)
INVENTOR:
  Bearss, James G., 1012 Berkeley, Boise, ID 83705, (US)
  Roylance, Eugene A., 4723 N. Capson Ave., Boise, ID 83704, (US)
  Bradburn, Wayne E., 1725 E. Highgate Ct., Eagle, ID 83616, (US)
  Jones, Arlin R., 11455 Gunsmoke Street, Boise, ID 83713, (US)
LEGAL REPRESENTATIVE:
  Schoppe, Fritz, Dipl.-Ing. (55463), Schoppe, Zimmermann, Stockeler & Zinkler Patentanwalte Postfach 246, 82043 Pullach bei Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 945823 A2 990929 (Basic)
                              EP 945823 A3 020710
                              EP 945823 B1 040714
APPLICATION (CC, No, Date):   EP 98115270 980813;
PRIORITY (CC, No, Date): US 47315 980324
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS (V7): **G06K-015/00** ; H04N-001/40; G06T-003/40
ABSTRACT WORD COUNT: 219
NOTE:
  Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199939	940
CLAIMS B	(English)	200429	914
CLAIMS B	(German)	200429	929
CLAIMS B	(French)	200429	1084
SPEC A	(English)	199939	5685
SPEC B	(English)	200429	5717
Total word count - document A			6626
Total word count - document B			8644
Total word count - documents A + B			15270

INTERNATIONAL PATENT CLASS (V7): **G06K-015/00** ...

...SPECIFICATION been developed to improve the quality of the output image of a raster bitmap. These **enhancement** techniques include: **edge** smoothing, fine line broadening, **antialiasing** (to smooth jagged edges), and increasing the resolution of the laser printer. These enhancing techniques...

...SPECIFICATION been developed to improve the quality of the output image of a raster bitmap. These **enhancement** techniques include: **edge** smoothing, fine line broadening, **antialiasing** (to smooth jagged edges),

and increasing the resolution of the laser printer. These enhancing
techniques...

17/3,K/2   (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2007 European Patent Office. All rts. reserv.

00968065
**Programmable   mapping of lower resolution digital data to a higher
     resolution output device**
**Programmierbare Kartierung von digitalen Daten mit niedriger Auflosung auf
     einem Ausgangsgerat mit hoher Auflosung**
**Cartographie programmable de donnees numeriques de faibleresolution sur un
     dispositif de sortie de resolution plus elevee**
PATENT ASSIGNEE:
  Hewlett-Packard Company, (206030), 3000 Hanover Street, Palo Alto,
     California 94304, (US), (applicant designated states:
     AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
INVENTOR:
  Bearss, James G., 1012 Berkeley, Boise, ID 83705, (US)
  Roylance, Eugene A., 4723 N. Capson Ave., Boise, ID 83704, (US)
  Jones, Arlin R., 11455 Gunsmoke Street, Boise, ID 83713, (US)
LEGAL REPRESENTATIVE:
  Schoppe, Fritz, Dipl.-Ing. (55463), Schoppe & Zimmermann Patentanwalte
     Postfach 71 08 67, 81458 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 878771 A2 981118 (Basic)
APPLICATION (CC, No, Date):   EP 98105543 980326;
PRIORITY (CC, No, Date): US 855253 970513
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;
  MC; NL; PT; SE
INTERNATIONAL PATENT CLASS (V7): **G06K-015/02** ;
ABSTRACT WORD COUNT: 194

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
     CLAIMS A (English)   9847   650
     SPEC A   (English)   9847   4978
Total word count - document A   5628
Total word count - document B   0
Total word count - documents A + B   5628

INTERNATIONAL PATENT CLASS (V7): **G06K-015/02**

...SPECIFICATION been developed to improve the quality of the output image
  of a raster bitmap. These **enhancement** techniques include: **edge**
  smoothing, fine line broadening, **antialiasing** (to smooth jagged edges),
  and increasing the resolution of the laser printer. These enhancing
  techniques...

17/3,K/3   (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2007 WIPO/Thomson. All rts. reserv.

00822605   **Image available**
METHOD FOR RAPID SMOOTHING OF OBJECT EDGES IN COMPUTER GRAPHICS
PROCEDE DE LISSAGE RAPIDE DES BORDS D'UN OBJET EN INFOGRAPHIE
Patent Applicant/Assignee:

Sylvia Keys   12-Jan-07 02:46 PM

International Patent Class (v7): **G06K-009/36** ...
Fulltext Availability:
  Detailed Description
  Claims

Detailed Description
...   the alpha component value of the edge pixel and an alpha component
  value for an **adjusting** pixel to form an **edge** **anti** – **aliased** pixel.

  According to still another embodiment of the present invention, there is
  provided a method alpha component value of the edge pixel and the alpha
  component value for the **adjusting** pixel to form an **edge** **anti** –
  aliased pixel.

  Hereinafter, the term "computer" includes, but is not limited to,
  personal computers (PC) having...

Claim
...   the alpha component value of said edge
  pixel and an alpha component value for an **adjusting** pixel to form
  an **edge** **anti** – **aliased** pixel.

  19 The method of claim I 8, wherein said adjusting pixel is fon-ned...
  alpha component value of said edge
  I
  pixel and said alpha component value for said **adjusting** pixel to
  fon-n an **edge** **anti** – **aliased** pixel.

  24 The method of claim 23, wherein said adjusting pixel is formed
  by adding...

DIALOG(R)File 349:PCT FULLTEXT

00211838
RESOLUTION TRANSFORMING RASTER-BASED IMAGING SYSTEM
SYSTEME D'IMAGERIE BASE SUR LA TRAME TRANSFORMANT LA RESOLUTION
Patent Applicant/Assignee:
  DP-TEK INC,
Inventor(s):
  FRAZIER Allen L,
  PIERSON James S,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9209045 A2 19920529
  Application: WO 91US8327 19911106 (PCT/WO US9108327)
  Priority Application: US 9087 19901107
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AT AU BE CA CH DE DK ES FR GB GR IT JP LU NL SE
Publication Language: English
Fulltext Word Count: 13558

Main International Patent Class (v7): **G06K-000/00**
Fulltext Availability:
  Detailed Description

Detailed Description
... Methods
  Various techniques have been developed to
  improve the quality of the output image. These
   enhancement techniques include: **edge** smoothing, fine line
  I
  broadening, **antialiasing** . (i.e. reducing jaggedness or
  "aliasing") . and increasing the resolution of the display
  apparatus.

 Most...
?

14/3,K/1   (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2007 European Patent Office. All rts. reserv.

01073836
**Programmable mapping of lower resolution digital data to a higher
    resolution for output on a lower resolution device**
**Programmierbare Auflosungumwandlung von digitalen Daten mit niedriger
    Auflosung zu einer hoheren Auflosung fur die Wiedergabe auf einem
    niedrigauflosendem Ausgabegerat**
**Transformation programmable de donnees numeriques de faible resolution a
    une   resolution plus elevee pour sortie sur un dispositif de resolution
    plus faible**
PATENT ASSIGNEE:
  Hewlett-Packard Company, A Delaware Corporation, (3016020), 3000 Hanover
    Street, Palo Alto, CA 94304, (US), (Proprietor designated states: all)
INVENTOR:
  Bearss, James G., 1012 Berkeley, Boise, ID 83705, (US)
  Roylance, Eugene A., 4723 N. Capson Ave., Boise, ID 83704, (US)
  Bradburn, Wayne E., 1725 E. Highgate Ct., Eagle, ID 83616, (US)
  Jones, Arlin R., 11455 Gunsmoke Street, Boise, ID 83713, (US)
LEGAL REPRESENTATIVE:
  Schoppe, Fritz, Dipl.-Ing. (55463), Schoppe, Zimmermann, Stockeler &
    Zinkler Patentanwalte Postfach 246, 82043 Pullach bei Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 945823 A2 990929 (Basic)
                              EP 945823 A3 020710
                              EP 945823 B1 040714
APPLICATION (CC, No, Date):   EP 98115270 980813;
PRIORITY (CC, No, Date): US 47315 980324
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS (V7): **G06K-015/00** ; H04N-001/40; G06T-003/40
ABSTRACT WORD COUNT: 219
NOTE:
  Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199939	940
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Total word count - document A			6626
Total word count - document B			8644
Total word count - documents A + B			15270

INTERNATIONAL PATENT CLASS (V7): **G06K-015/00** ...

...SPECIFICATION and line art.
    Various techniques have been developed to improve the quality of the
  output **image** of a raster bitmap. These **enhancement** techniques
  include: **edge** smoothing, fine line broadening, **antialiasing** (to
  smooth jagged edges), and increasing the resolution of the laser printer.
  These enhancing techniques...

...SPECIFICATION and line art.
    Various techniques have been developed to improve the quality of the

Sylvia Keys   12-Jan-07 02:50 PM

output **image** of a raster bitmap. These **enhancement** techniques
include: **edge** smoothing, fine line broadening, **antialiasing** (to
smooth jagged edges), and increasing the resolution of the laser printer.
These enhancing techniques...

14/3,K/2   (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2007 European Patent Office. All rts. reserv.

00968065
Programmable mapping of lower resolution digital data to a higher
resolution output device
Programmierbare Kartierung von digitalen Daten mit niedriger Auflosung auf
einem Ausgangsgerat mit hoher Auflosung
Cartographie programmable de donnees numeriques de faibleresolution sur un
dispositif de sortie de resolution plus elevee
PATENT ASSIGNEE:
  Hewlett-Packard Company, (206030), 3000 Hanover Street, Palo Alto,.
    California 94304, (US), (applicant designated states:
    AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
INVENTOR:
  Bearss, James G., 1012 Berkeley, Boise, ID 83705, (US)
  Roylance, Eugene A., 4723 N. Capson Ave., Boise, ID 83704, (US)
  Jones, Arlin R., 11455 Gunsmoke Street, Boise, ID 83713, (US)
LEGAL REPRESENTATIVE:
  Schoppe, Fritz, Dipl.-Ing. (55463), Schoppe & Zimmermann Patentanwalte
    Postfach 71 08 67, 81458 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 878771 A2 981118 (Basic)
APPLICATION (CC, No, Date): ' EP 98105543 980326;
PRIORITY (CC, No, Date): US 855253 970513
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;
  MC; NL; PT; SE
INTERNATIONAL PATENT CLASS (V7): **G06K-015/02** ;
ABSTRACT WORD COUNT: 194

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9847	650
SPEC A	(English)	9847	4978
Total word count - document A			5628
Total word count - document B			0
Total word count - documents A + B			5628

INTERNATIONAL PATENT CLASS (V7): **G06K-015/02**

...SPECIFICATION and line art:
  Various techniques have been developed to improve the quality of the
  output **image** of a raster bitmap. These **enhancement** techniques
  include: **edge** smoothing, fine line broadening, **antialiasing** (to
  smooth jagged edges), and increasing the resolution of the laser printer.
  These enhancing techniques...

14/3,K/3   (Item 1 from file: 349) .
DIALOG(R)File 349:PCT FULLTEXT
(c) 2007 WIPO/Thomson. All rts. reserv.

00211838

RESOLUTION TRANSFORMING RASTER-BASED IMAGING SYSTEM
SYSTEME D'IMAGERIE BASE SUR LA TRAME TRANSFORMANT LA RESOLUTION
Patent Applicant/Assignee:
  DP-TEK INC,
Inventor(s):
  FRAZIER Allen L,
  PIERSON James S,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9209045 A2 19920529
  Application: WO 91US8327 19911106 (PCT/WO US9108327)
  Priority Application: US 9087 19901107
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AT AU BE CA CH DE DK ES FR GB GR IT JP LU NL SE
Publication Language: English
Fulltext Word Count: 13558

Main International Patent Class (v7): **G06K-000/00**
Fulltext Availability:
  Detailed Description

Detailed Description
... Existing Enhancement Methods
  Various techniques have been developed to
  improve the quality of the output **image** . These
   enhancement techniques include: **edge** smoothing, fine line
  I
  broadening, **antialiasing** . (i.e. reducing jaggedness or
  "aliasing") . and increasing the resolution of the display
  apparatus.

  Most...
?

DIALOG(R)File 349:PCT FULLTEXT
(c) 2007 WIPO/Thomson. All rts. reserv.

01440295   **Image available**
CONTINUOUS EXTENDED RANGE IMAGE PROCESSING
TRAITEMENT D'IMAGE A PLAGE ETENDUE CONTINUE
Patent Applicant/Assignee:
 .LOCKHEED MARTIN CORPORATION, 6801 Rockledge Drive, Bethesda, Maryland
    20817, US, US (Residence), US (Nationality), (For all designated states
    except: US)
Patent Applicant/Inventor:
  TENER Gene D, 280 Country Sun Cove, Oviedo, Florida 32765, US, US
    (Residence), US (Nationality),
  MATTOX Barry, 210 East Miller Street, Orlando, Florida 32806, US, US
    (Residence), US (Nationality),
  PARK Jennifer K, 1768 Seneca Boulevard, Winter Springs, Florida 32708, US
    , US (Residence), US (Nationality),
  COWAN John, 7270 Westpointe Boulevard, #932, Orlando, Florida 32835, US,
    US (Residence), US (Nationality),
  HERZOG William R, 8707 Fernwickle Court, Orlando, Florida 32819, US, US
    (Residence), US (Nationality),
  CHEN Hai-Wen, 3041 Rollman Road, Orlando, Florida 32837, US, US
    (Residence), US (Nationality),
  KANE James P III, 604 Parkwood Avenue, Altamonte Springs, Florida 32714,
    US, US (Residence), US (Nationality),
  HUBER David J, Florida, US, US (Residence), US (Nationality),
  MIREK Thomas A, Florida, US, US (Residence), US (Nationality),
  ALDERSON Timothy, 711 Sailfish Road, Winter Springs, Florida 32708, US,
    US (Residence), US (Nationality),
Legal Representative:
  KEANE Patrick C et al (agent), Buchanan Ingersoll PC, P. O. Box 1404,
    Alexandria, Virginia 22313-1404, US
Patent and Priority Information (Country, Number, Date):
  Patent: WO 2006122009 A2 20061116 (WO 06122009)
  Application: WO 2006US17688 20060509 (PCT/WO US2006017688)
  Priority Application: US 2005678775 20050509
Designated States:
(All protection types applied unless otherwise stated - for applications
2004+)
  AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
  DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KM KN KP KR
  KZ LC LK LR LS LT LU LV LY MA MD MG MK MN MW MX MZ NA NG NI NO NZ OM PG
  PH PL PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC
  VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT LU LV MC NL
  PL PT RO SE SI SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 22936

International Patent Class (v8 + Attributes)
IPC + Level Value Position Status Version Action Source Office:
  G06K-0009/46 ...
Fulltext Availability:
  Detailed Description

Detailed Description

... 359,681. In addition or alternatively to changing the pixel depth of the image, the **image** resulting from 2-D **edge enhancement** filter 313 can be optionally **interpolated** in BLI 315 using, for example, bilinear interpolation to re-sample the image to either...

19/3,K/2   (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00381459
METHOD AND APPARATUS FOR COMPRESSING AND DECOMPRESSING A VIDEO IMAGE
PROCEDE ET APPAREIL DE COMPRESSION ET DE DECOMPRESSION D'UNE IMAGE VIDEO
Patent Applicant/Assignee:
  MASSACHUSETTS INSTITUTE OF TECHNOLOGY,
Inventor(s):
  MASAKI Ichiro,
  DESAI Ujjaval,
  CHANDRAKASAN Anantha,
  HORN Berthold,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9722202 A2 19970619
  Application: WO 96US19896 19961212 (PCT/WO US9619896)
  Priority Application: US 95570765 19951212
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
  CA JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 9288
Main International Patent Class (v7): **G06K-009/48**
International Patent Class (v7): **G06K-09:40** ...
Fulltext Availability:
  Detailed Description

Detailed Description
... is performed on each of the luminance and chrominance components separately to regenerate three separate **image** arrays.

  More specifically, the receiver **reconstructs** all of the **contour** intensity data by **interpolating** the contour data between edges. Since the number of contour data pixels is much less...

24/3,K/1   **(Item 1 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2007 European Patent Office. All rts. reserv.

01295167
Digital camera system and method
Digitales Kamerasystem und Verfahren
Systeme et procede de camera numerique
PATENT ASSIGNEE:
  Texas Instruments Incorporated, (279078), 7839 Churchill Way, Mail
    Station 3999, Dallas, Texas 75251, (US), (Applicant designated States:
    all)
INVENTOR:
  Hung, Ching-Yu, 4633 Baldwin lane, Plano, Texas 75024, (US)
  Tamama, Hideo, Matsushiro 4-9-10, Tsukuba, Ibaraki, (JP)
  Osamoto, Akira, Koda 972-2, Inashiki, Ibaraki, (JP)
  Koshiba, Osamu, 3-11-2-402 Koyadai, Tsukuba, Ibaraki, (JP)
  Yamauchi, Satoru, 1022-17 Otto, Tsuchiura, Ibaraki, (JP)
  Zhou, Minhua, 2523 Ohio drive No. 108, Plano, Texas 75093, (US)
  Ilgner, Klaus, Marquartsteiner Strasse 12, 81549 Munchen, (DE)
  Talluri, Rajendra, 2220 Fountain Head Drive, Plano, 75203, (US)
  Yoo, Youngjun, 800 West Renner Road, No. 1418, Richardson, Texas 75080,
    (US)
  Liang, Jie, 2505 Frosted Green Lane, Plano, Texas 75025, (US)
  Tsai, Mandy, 4F, 72, Hua Lin Street, Taipei 111, (KR)
  Tsunoda, Kiyoshi, Shinoharadaimachi 36-33, Kouhoku-ku, Tokohama-city,
    Kanagawa, (JP)
  Inamori, Shinri, 2-18-22-404 Jamariya-Higashi, Kanazawa-ku, Yokohama-shi,
    Kanagawa, (JP)
LEGAL REPRESENTATIVE:
  Potter, Julian Mark et al (80064), D Young & Co 120 Holborn, London EC1N
    2DY, (GB)
PATENT (CC, No, Kind, Date): EP 1111904 A2 010627 (Basic)
                                EP 1111904 A8 010816
                                EP 1111904 A3 050316
APPLICATION (CC, No, Date):   EP 2000311430 001220;
PRIORITY (CC, No, Date): US 172780 P 991220; US 215000 P 000629; US 214951
    P 000629; US 632543 P 000804; US 176272 P 000114
DESIGNATED STATES: AT
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS (V7): H04N-001/40
ABSTRACT WORD COUNT: 46
NOTE:
  Figure number on first page: 1A

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200126	1703
SPEC A	(English)	200126	22464
Total word count - document A			24167
Total word count - document B			0
Total word count - documents A + B			24167

...SPECIFICATION still cameras, iMX can be used to speed up
    CFA interpolation,
    color space conversion,
    chroma **down - sampling** ,
    edge   **enhancement** ,
    color suppression,
    DCT and IDCT,

Table lookup.
iMX methodology originates from the discipline of parallel...

 24/3,K/2   (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2007 European Patent Office. All rts. reserv.

00700391
**Decomposition   in   noise   and periodic signal waveforms   in   waveform
    interpolation**
**Wellenforminterpolation mittels Zerlegung in Rauschen und periodische
    Signalanteile**
**Interpolation de formes d'onde par decomposition en bruit et en signaux
    periodiques**
PATENT ASSIGNEE:
  AT&T Corp., (589370), 32 Avenue of the Americas, New York, NY 10013-2412,
    (US), (Proprietor designated states: all)
INVENTOR:
  Kleijn, Willem Bastiaan, 87 Village Drive, Basking Ridge, New Jersey
    07920, (US)
LEGAL REPRESENTATIVE:
  Watts, Christopher Malcolm Kelway, Dr. (37391), Lucent Technologies (UK)
    Ltd, 5 Mornington Road, Woodford Green Essex, IG8 0TU, (GB)
PATENT (CC, No, Kind, Date): EP 666557 A2 950809 (Basic)
                              EP 666557 A3 970806
                              EP 666557 B1 030115
APPLICATION (CC, No, Date):   EP 95300664 950202;
PRIORITY (CC, No, Date): US 195221 940208
DESIGNATED STATES: DE; ES; FR; GB; IT
INTERNATIONAL PATENT CLASS (V7): G10L-019/12
ABSTRACT WORD COUNT: 152
NOTE:
  Figure number on first page: 10

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
     CLAIMS A (English)   EPAB95   724
     CLAIMS B (English)   200303   690
     CLAIMS B   (German)   200303   678
     CLAIMS B   (French)   200303   856
     SPEC A   (English)   EPAB95   9373
     SPEC B   (English)   200303   9663
Total word count - document A   10099
Total word count - document B   11887
Total word count - documents A + B   21986

...SPECIFICATION the reconstructed signal power. Thus, if the quantized
  energy is received without errors, the energy **contour** of the signal
  will be **correct** .
    In **down - sampler** 706, the adjusted gain is down-sampled.
  Down-sampling to a rate of one gain...

...SPECIFICATION the reconstructed signal power. Thus, if the quantized
  energy is received without errors, the energy **contour** of the signal
  will be **correct** .
    In **down - sampler** 706, the adjusted gain is down-sampled.
  Down-sampling to a rate of one gain...
?

27/3,K/1   (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2007 WIPO/Thomson. All rts. reserv.

00897579   **Image available**
WAVELET-LIKE TRANSFORM AND SPARSE CODING
TRANSFORMEE DE TYPE ONDELETTE ET CODAGE EPARS
Patent Applicant/Assignee:
  PICSURF INC, 1240 Villa Street, Mountain View, CA 94041, US, US
    (Residence), US (Nationality)
Inventor(s):
  CHUI Charles K, 340 Olive Street, Menlo Park, CA 94025, US,
  GAO Hong-Ye, 281 Merz Court, Milpitas, CA 95035, US,
  ZHONG Lefan, 170 Gilbert Avenue, Santa Clara, CA 95051, US,
Legal Representative:
  WILLIAMS Gary S (et al) (agent), Pennie & Edmonds LLP, 1155 Avenue of the
    Americas, New York, NY 10036, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200231756 A1 20020418 (WO 0231756)
  Application: WO 2001US31870 20011011 (PCT/WO US0131870)
  Priority Application: US 2000687467 20001012
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK
  SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 25738

Main International Patent Class (v7): **G06K-009/36**
International Patent Class (v7): **G06K-009/46**
Fulltext Availability:
  Detailed Description

Detailed Description
...   base image is to be included in the image file (257), the original
  image is **down - sampled** and **anti - aliased** so as to generate a new
  base image (258) that is smaller in each dimension...
?

30/3,K/1   (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2007 WIPO/Thomson. All rts. reserv.

00442851   **Image available**
FOVEATED IMAGE CODING SYSTEM AND METHOD FOR IMAGE BANDWIDTH REDUCTION
SYSTEME DE CODAGE DE L'IMAGE PAR FOVEATION ET PROCEDE DE REDUCTION DE LA LARGEUR DE BANDE DE L'IMAGE
Patent Applicant/Assignee:
  GEISLER Wilson S,
  KORTUM Philip T,
Inventor(s):
  GEISLER Wilson S,
  KORTUM Philip T,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9833315 A2 19980730
  Application: WO 97US23737 19971231 (PCT/WO US9723737)
  Priority Application: US 9735765 19970106; US 9734549 19970107
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IL IS JP
  KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD
  SE SG SI SK TJ TM TR TT UA UG US UZ VN GH GM KE LS MW SD SZ UG ZW AM AZ
  BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 23014

Main International Patent Class (v7): **G06K-009/36**
International Patent Class (v7): **G06K-09:32 ...**
Fulltext Availability:
  Detailed Description

Detailed Description
... a22' Other kernals may also be used as later
  described in section 4
  EXPAND. Next, **down - sampled** (reduced) image 62 is
   interpolated (up-sampled) to obtain a larger, lower-resolution image
  64.

  A great computational benefit of...

 30/3,K/2   (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2007 WIPO/Thomson. All rts. reserv.

00398677   **Image available**
COMPUTATIONALLY EFFICIENT DIGITAL IMAGE WARPING
DEFORMATION D'IMAGE NUMERIQUE EFFICACE DU POINT DE VUE DU CALCUL
Patent Applicant/Assignee:
  SARNOFF CORPORATION,
Inventor(s):
  LOHMEYER Mark S,
  BURT Peter Jeffrey,
  VAN DER WAL Gooitzen Siemen,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9739420 A1 19971023
  Application: WO 97US5427 19970417 (PCT/WO US9705427)

English Abstract
   ...image (20). The interpolator is, for example, a low quality
   interpolator such as a bilinear **interpolator** . The warped image is then
   down - sampled to the same resolution as the input image to produce the
   warped image (30). Down...

Detailed Description
... upsampled image. The interpolator is, for example, a low
   quality interpolator such as a bilinear **interpolator** . The
   warped image is **down   sampled** to the same resolution as the
   input image to produce the warped image. Down sampling...upsampled image.
   The
   interpolator can be a relatively low quality interpolator such
   as a bilinear **interpolator** . The warped image is then **down**
    sampled to the same resolution as the input image to produce
   the warped image. Down sampling...
?

DIALOG(R)File 349:PCT FULLTEXT
(c) 2007 WIPO/Thomson. All rts. reserv.

00897579   **Image available**
WAVELET-LIKE TRANSFORM AND SPARSE CODING
TRANSFORMEE DE TYPE ONDELETTE ET CODAGE EPARS
Patent Applicant/Assignee:
   PICSURF INC, 1240 Villa Street, Mountain View, CA 94041, US, US
      (Residence), US (Nationality)
Inventor(s):
   CHUI Charles K, 340 Olive Street, Menlo Park, CA 94025, US,
   GAO Hong-Ye, 281 Merz Court, Milpitas, CA 95035, US,
   ZHONG Lefan, 170 Gilbert Avenue, Santa Clara, CA 95051, US,
Legal Representative:
   WILLIAMS Gary S (et al) (agent), Pennie & Edmonds LLP, 1155 Avenue of the
      Americas, New York, NY 10036, US,
Patent and Priority Information (Country, Number, Date):
   Patent: WO 200231756 A1 20020418 (WO 0231756)
   Application: WO 2001US31870 20011011 (PCT/WO US0131870)
   Priority Application: US 2000687467 20001012
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
   AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
   EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
   LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK
   SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
   (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
   (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
   (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
   (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 25738

Main International Patent Class (v7): **G06K-009/36**
International Patent Class (v7): **G06K-009/46**
Fulltext Availability:
   Detailed Description

Detailed Description
... base image is to be included in the image file (257), the original
   image is **down - sampled** and **anti - aliased** so as to generate a new
   base image (258) that is smaller in each dimension...
?

38/3,K/1   (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2007 European Patent Office. All rts. reserv.

01960153
Image data processing in color spaces
Bilddatenverarbeitung in Farbraumen
Traitement de donnees d'image dans des espaces de couleur
PATENT ASSIGNEE:
  OmniVision Technologies, Inc., (2576671), 1341 Orleans Drive Sunnyvale,,
    California 94089, (US), (Applicant designated States: all)
INVENTOR:
  Wei-Feng, Huang, 19689 Glen Brae Drive, Saratoga, California 95070, (US)
LEGAL REPRESENTATIVE:
  Hackney, Nigel John et al (76991), Mewburn Ellis LLP York House, 23
    Kingsway, London WC2B 6HP, (GB)
PATENT (CC, No, Kind, Date): EP 1580982 A2 050928 (Basic)
APPLICATION (CC, No, Date):   EP 2005251044 050223;
PRIORITY (CC, No, Date): US 786900 040224
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
  HU; IE; IS; IT; LI; LT; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR
EXTENDED DESIGNATED STATES: AL; BA; HR; LV; MK; YU
INTERNATIONAL PATENT CLASS (V7): H04N-001/60; H04N-009/04
ABSTRACT WORD COUNT: 100
NOTE:
  Figure number on first page: 5

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200539	738
SPEC A	(English)	200539	5726
Total word count - document A			6464
Total word count - document B			0
Total word count - documents A + B			6464

...SPECIFICATION low-pass filters, high-pass filters, band-pass filters,
  band-stop filters, all-pass filters, **anti - aliasing** filters,
  decimation (**down - sampling**) filters, and **interpolation** (up-sampling)
  filters.
   FIG. 6 is a representation of image data that has been converted...
?

46/3,K/1   (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2007 European Patent Office. All rts. reserv.

01736884
Method of detecting the presence of figures and methods of managing a stock
    of components
Verfahren zur Merkmalenanwesenheitserfassung und Verfahren zur Verwaltung
    eines Komponentenvorrats
Methode de detection de la presence de figures et methodes de gestion de
    stocks de composants
PATENT ASSIGNEE:
    Setrix AG, (2941750), Leopoldstrasse 236, 80807 Munchen, (DE), (Applicant
       designated States: all)
INVENTOR:
    Spindler, Thomas, Sophienbergstrasse 29, 74632 Neuenstein, (DE)
    Chiu, Ming-Yee, 5 Barnard Place, Princeton Jct, NJ 08540, (US)
LEGAL REPRESENTATIVE:
    Epping Hermann & Fischer (101751), Ridlerstrasse 55, 80339 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1422657 A1 040526 (Basic)
APPLICATION (CC, No, Date): EP 2002026307 021120;
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
    IE; IT; LI; LU; MC; NL; PT; SE; SK; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS (V7): G06K-019/06; G06K-009/46
ABSTRACT WORD COUNT: 75
NOTE:
    Figure number on first page: 6

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
      CLAIMS A (English)   200422   1163
      SPEC A   (English)   200422   11321
Total word count - document A   12484
Total word count - document B   0
Total word count - documents A + B   12484

...SPECIFICATION US Patent: 6,246,412: "Interactive construction and
refinement of 3D models from multiple panoramic **images** " by **Heung**
-Yeung **Shum** ; Mei Han; and Richard S. Szeliski;

 46/3,K/2   (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2007 WIPO/Thomson. All rts. reserv.

01123809   **Image available**
METHOD OF DETECTING THE PRESENCE OF FIGURES AND METHODS OF MANAGING A STOCK
    OF COMPONENTS
PROCEDE DE DETECTION DE LA PRESENCE DE CHIFFRES ET DE GESTION D'UN STOCK DE
    COMPOSANTS
Patent Applicant/Assignee:
    SETRIX AG, Leopoldstr. 236, 80807 Munchen, DE, DE (Residence), DE
       (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
    CHIU Ming-Yee, 5 Barnard Place, Princeton, NJ 08540, US, US (Residence),
       US (Nationality), (Designated only for: US)
    SPINDLER Thomas, Sophienbergstr. 29, 74632 Neuenstein, DE, DE (Residence)
    , DE (Nationality), (Designated only for: US)

Sylvia Keys   12-Jan-07 03:16 PM

Legal Representative:
  EPPING HERMANN FISCHER PATENTANWALTSGESELLSCHAFT MBH (agent), Ridlerstr.
    55, 80339 Munchen, DE,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200447014 A1 20040603 (WO 0447014)
  Application: WO 2003EP12966 20031119 (PCT/WO EP03012966)
  Priority Application: EP 200226307 20021120
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
  DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
  LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU
  SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
  SI SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 13661

Fulltext Availability:
  Detailed Description

Detailed Description
... Patent: 6,246,412: "Interactive construction and refinement of 31)
  models from mul0 tiple panoramic images " by **Heung** -Yeung **Shum** ; Mel
  Han; and Richard S. Szeliski;
?

46/3,K/1   (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2007 European Patent Office. All rts. reserv.

01736884
**Method of detecting the presence of figures and methods of managing a stock
of components**
Verfahren zur Merkmalenanwesenheitserfassung und Verfahren zur Verwaltung
eines Komponentenvorrats
Methode de detection de la presence de figures et methodes de gestion de
stocks de composants
PATENT ASSIGNEE:
  Setrix AG, (2941750), Leopoldstrasse 236, 80807 Munchen, (DE), (Applicant
  designated States: all)
INVENTOR:
  Spindler, Thomas, Sophienbergstrasse 29, 74632 Neuenstein, (DE)
  Chiu, Ming-Yee, 5 Barnard Place, Princeton Jct, NJ 08540, (US)
LEGAL REPRESENTATIVE:
  Epping Hermann & Fischer (101751), Ridlerstrasse 55, 80339 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1422657 A1 040526 (Basic)
APPLICATION (CC, No, Date):   EP 2002026307 021120;
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
  IE; IT; LI; LU; MC; NL; PT; SE; SK; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS (V7): G06K-019/06; G06K-009/46
ABSTRACT WORD COUNT: 75
NOTE:
  Figure number on first page: 6

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
    CLAIMS A (English)   200422   1163
    SPEC A   (English)   200422   11321
Total word count - document A   12484
Total word count - document B   0
Total word count - documents A + B   12484

...SPECIFICATION US Patent: 6,246,412: "Interactive construction and
  refinement of 3D models from multiple panoramic **images** " by **Heung**
  -Yeung **Shum** ; Mei Han; and Richard S. Szeliski;

 46/3,K/2   (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2007 WIPO/Thomson. All rts. reserv.

01123809   **Image available**
**METHOD OF DETECTING THE PRESENCE OF FIGURES AND METHODS OF MANAGING A STOCK
OF COMPONENTS**
PROCEDE DE DETECTION DE LA PRESENCE DE CHIFFRES ET DE GESTION D'UN STOCK DE
COMPOSANTS
Patent Applicant/Assignee:
  SETRIX AG, Leopoldstr. 236, 80807 Munchen, DE, DE (Residence), DE
  (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  CHIU Ming-Yee, 5 Barnard Place, Princeton, NJ 08540, US, US (Residence),
  US (Nationality), (Designated only for: US)
  SPINDLER Thomas, Sophienbergstr. 29, 74632 Neuenstein, DE, DE (Residence)
  , DE (Nationality), (Designated only for: US)

Sylvia Keys   12-Jan-07 03:17 PM

File   9:Business & Industry(R) Jul/1994-2007/Jan 09
          (c) 2007 The Gale Group
File   15:ABI/Inform(R) 1971-2007/Jan 12
          (c) 2007 ProQuest Info&Learning
File   16:Gale Group PROMT(R) 1990-2007/Jan 09
          (c) 2007 The Gale Group
File   20:Dialog Global Reporter 1997-2007/Jan 12
          (c) 2007 Dialog
File   47:Gale Group Magazine DB(TM) 1959-2007/Jan 05
          (c) 2007 The Gale group
File   75:TGG Management Contents(R) 86-2007/Dec W5
          (c) 2007 The Gale Group
File   80:TGG Aerospace/Def.Mkts(R) 1982-2007/Jan 09
          (c) 2007 The Gale Group
File   88:Gale Group Business A.R.T.S. 1976-2007/Jan 12
          (c) 2007 The Gale Group
File   98:General Sci Abs 1984-2007/Jan
          (c) 2007 The HW Wilson Co.
File 112:UBM Industry News 1998-2004/Jan 27
          (c) 2004 United Business Media
File 141:Readers Guide 1983-2007/Nov
          (c) 2007 The HW Wilson Co
File 160:Gale Group PROMT(R) 1972-1989
          (c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2007/Jan 09
          (c) 2007 The Gale Group
File 264:DIALOG Defense Newsletters 1989-2007/Jan 11
          (c) 2007 Dialog
File 484:Periodical Abs Plustext 1986-2007/Jan W1
          (c) 2007 ProQuest
File 553:Wilson Bus. Abs. 1982-2007/Jan
          (c) 2007 The HW Wilson Co
File 570:Gale Group MARS(R) 1984-2007/Jan 09
          (c) 2007 The Gale Group
File 608:KR/T Bus.News. 1992-2007/Jan 12
          (c)2007 Knight Ridder/Tribune Bus News
File 620:EIU:Viewswire 2007/Jan 11
          (c) 2007 Economist Intelligence Unit
File 613:PR Newswire 1999-2007/Jan 06
          (c) 2007 PR Newswire Association Inc
File 621:Gale Group New Prod.Annou.(R) 1985-2007/Jan 04
          (c) 2007 The Gale Group
File 623:Business Week 1985-2007/Jan 12
          (c) 2007 The McGraw-Hill Companies Inc
File 624:McGraw-Hill Publications 1985-2007/Jan 12
          (c) 2007 McGraw-Hill Co. Inc
File 635:Business Dateline(R) 1985-2007/Jan 12
          (c) 2007 ProQuest Info&Learning
File 636:Gale Group Newsletter DB(TM) 1987-2007/Jan 09
          (c) 2007 The Gale Group
File 647:CMP Computer Fulltext 1988-2007/Mar W2
          (c) 2007 CMP Media, LLC
File 696:DIALOG Telecom. Newsletters 1995-2007/Jan 12
          (c) 2007 Dialog
File 674:Computer News Fulltext 1989-2006/Sep W1
          (c) 2006 IDG Communications
File 810:Business Wire 1986-1999/Feb 28
          (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
          (c) 1999 PR Newswire Association Inc

Sylvia Keys   12-Jan-07 04:45 PM

```
Set      Items    Description
S1     6157924    (IMAGE?? OR PHOTO?? OR PHOTOGRAPH??)
S2        5991    S1(3N)SKETCH??
S3         190    (PRIMITIVE?? OR PRIMAL)(3N)LAYER??
S4        5607    (DOWN OR DOWNED)(3N)SAMPL?
S5       59796    (EDGE?? OR CONTOUR??? OR RIDGE??)(5N)(ENHANC? OR ADJUST? OR
                  CORRECT? OR RECONSTRUCT? OR IMPROVE?? OR IMPROVING OR RESTOR?
                  OR REPLAC?)
S6       12042    ANTI()ALIAS? OR ANTIALIAS?
S7       34659    INTERPOLAT?
S8       30397    HALLUCINAT?
S9          26    MAXIMUM()POSTERIOR?
S10         39    BANK() FILTER???
S11       1229    AU=(SUN, J? OR SUN J? OR SHUM H? OR SHUM H? OR TAO, H?) OR
                  JIAN(2N)SUN OR HEUNG(2N)SHUM OR HAI(2N)TAO
S12       1872    S1(5N)S5
S13         22    S12(5N)S6
S14          0    S13(5N)(S7:S10)
S15         15    S13 NOT PY>2004
S16          9    RD   (unique items)
S17         33    S12(5N)S7
S18          0    S17(5N)S8
S19          0    S17(5N)(S9:S10)
S20         30    S17 NOT PY>2004
S21         18    RD   (unique items)
S22         15    S21 NOT CIRCUIT?
S23          0    S12(5N)S9
S24          0    S12(5N)S10
S25          0    S2(5N)S5
S26          0    S4(5N)S5
S27         80    S5(5N)S6
S28          0    S27(5N)(S7:S10)
S29          5    S4(5N)S6
S30          2    RD   (unique items)
S31         11    S4(5N)(S7:S10)
S32          6    RD   (unique items)
S33         80    S5(5N)S6
S34          0    S33(5N)(S7:S10)
S35         73    S33 NOT PY>2004
S36         41    RD   (unique items)
S37         40    S36 NOT CIRCUIT?
S38         21    S37 NOT TEXTUR?
S39          5    S4(5N)S6
S40          2    RD   (unique items)
S41          0    S39(5N)(S7:S10)
S42          0    S3(5N)S6
S43       1324    S1(5N)S6
S44          0    S43(5N)S8
S45          0    S43(5N)(S9:S10)
S46          0    S11(5N)S1
?
```

16/3,K/1   (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00875919 95-25311
Improving your image
Marshall, Patrick; Harney, Tricia
InfoWorld v16n25 PP: 74-91 Jun 20, 1994
ISSN: 0199-6649 JRNL CODE: IFW
WORD COUNT: 18707

...TEXT: rate no higher than satisfactory in this category.

GRAPHICS GLOSSARY: THE WORDS BEHIND THE PICTURES

ANTI - ALIASING : A method of smoothing the **edges** of lines.

AUTO-TONAL **ADJUSTMENT** : An automatic adjustment of an **image** 's tone curve
to a predefined set of values.

CALIBRATION BARS: Bars of color or...

16/3,K/2   (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

10114212   Supplier Number: 91566042   (USE FORMAT 7 FOR FULLTEXT)
**High-flying graphics cards: we pick 10 next-generation boards that make
  your PC soar. (Graphics Boards).(Evaluation)**
Krasne, Alexandra
PC World, v20, n10, p99(8)
Oct, 2002
Language: English   Record Type: Fulltext
Article Type: Evaluation
Document Type: Magazine/Journal; General Trade
Word Count: 4551

...   mode, although edges remained somewhat jagged. MSI's G4MX420-T
board scored the lowest in **image** quality because rough **edges** didn't
improve much with **antialiasing** .
        AGP XTRANEOUS
        SUPPORT FOR THE new 8X AGP interface is creeping into graphics
boards. The...

16/3,K/3   (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

03708886   Supplier Number: 45253114   (USE FORMAT 7 FOR FULLTEXT)
MEDIASTREAM
Electronic Engineering Times, p89
Jan 9, 1995
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 580

...   estimating rules - MPEG does not define these, contrary to public
belief - or two -dimensional, static **image**   **enhancement** . Detail

boosting, **edge** smoothing and **anti - aliasing** are other popular techniques.

Rest assured that all the major compression algorithms - Cinepak, fractals, Indeo...

16/3,K/4   (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

03777449   SUPPLIER NUMBER: 12723823
Smoothie 1.02. (Software Review) (Peirce Software's onscreen presentation enhancer) (Evaluation)
McClelland, Deke
Macworld, v9, n11, p176(1)
Nov, 1992
DOCUMENT TYPE: Evaluation   ISSN: 0741-8647   LANGUAGE: ENGLISH
RECORD TYPE: ABSTRACT

ABSTRACT: Peirce Software's $149 Smoothie 1.02 is an excellent on-screen presentation **enhancing** software package that **antialiases** the **edges** of **images** to create smooth screen pictures. The program resolves objects on-screen and returns a bitmapped...

16/3,K/5   (Item 2 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

03536060   SUPPLIER NUMBER: 09779359   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Northgate, Icon feature Edsun Continuous Edge Graphics. (Edsun Laboratories Inc.'s digital to analog converter chip is used in Icon Technologies International's Photo Board graphics board and Northgate Computer Systems Inc.'s SlimLine 386/33 microcomputer)(includes related article on the Edsun Continuous Edge Graphics/Digital to Analog Converter chip) (Hardware Review) (First Looks) (evaluation)
Ross, Matthew, J.
PC Magazine, v10, n3, p29(2)
Feb 12, 1991
DOCUMENT TYPE: evaluation   ISSN: 0888-8507   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1358   LINE COUNT: 00105

...ABSTRACT: Northgate Computer Systems Inc's SlimLine 386/33 microcomputer to smooth jagged VGA output with **anti - aliasing** . **Anti - aliasing adjusts** pixel colors at the **edges** of **images** to increase a monitor's perceived resolution. Both products include drivers for Lotus 1-2 ...

16/3,K/6   (Item 1 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.

02427189   SUPPLIER NUMBER: 08102536
Antialiasing scan-line data. (Antialiasing) (technical)
Max, Nelson L.
IEEE Computer Graphics and Applications, v10, n1, p18(13)
Jan, 1990
DOCUMENT TYPE: technical   ISSN: 0272-1716   LANGUAGE: English

Sylvia Keys   12-Jan-07 03:56 PM

RECORD TYPE: Abstract

...ABSTRACT: the scan lines being mapped as slanted lines in the output raster coordinates by an **image** transform. **Antialiasing** can be **improved** by the inference from **edge** -slope information of data along extra scan lines.

16/3,K/7   (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2007 The Gale Group. All rts. reserv.

01307857   SUPPLIER NUMBER: 07422250   (USE FORMAT 7 OR 9 FOR FULL TEXT)
PixelPaint Professional gets true color. (upgrading of SuperMac
  Technology's PixelPaint 2.0) (product announcement)
Guglielmo, Connie
MacWEEK, v3, n26, p6(1)
July 11, 1989
DOCUMENT TYPE: product announcement   ISSN: 0892-8118   LANGUAGE:
  ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 269   LINE COUNT: 00021

...   including lighten, emboss and tint effects; more-powerful merge and masking functions for manipulating scanned **photographs** ; and **improved anti - aliasing** to smooth jagged **edges** on both text and objects..
     Owners of any version of PixelPaint can trade up to...

16/3,K/8   (Item 1 from file: 484)
DIALOG(R)File 484:Periodical Abs Plustext
(c) 2007 ProQuest. All rts. reserv.

05681416   SUPPLIER NUMBER: 167281301   (USE FORMAT 7 OR 9 FOR FULLTEXT)
High-flying graphics cards
Krasne, Alexandra
PC World (GPCW), v20 n10, p99-112, p.8
 Oct 2002
 ISSN: 0737-8939   JOURNAL CODE: GPCW
 DOCUMENT TYPE: Feature
 LANGUAGE: English   RECORD TYPE: Fulltext; Abstract
WORD COUNT: 3742

TEXT:
...   mode, although edges remained somewhat jagged. MSI's G4MX420-T board scored the lowest in **image** quality because rough **edges** didn't **improve** much with **antialiasing** .
   ACP XTRANEOUS
     SUPPORT FOR THE new 8X AGP interface is creeping into graphics boards. The...

16/3,K/9   (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2007 CMP Media, LLC. All rts. reserv.

01040028   CMP ACCESSION NUMBER: EET19950109S0075
Digital video filter tips (Mediastream)
Richard Doherty
ELECTRONIC ENGINEERING TIMES, 1995, n 830, PG89
PUBLICATION DATE: 950109

Sylvia Keys   12-Jan-07 03:56 PM

...   estimating rules-MPEG does not define these, contrary to public belief -or two-dimensional, static **image   enhancement** . Detail boosting, **edge**   smoothing and **anti - aliasing** are other popular techniques.
      Rest assured that all the major compression algorithms-Cinepak, fractals, Indeo...
?

22/3,K/1   (Item 1 from file: 9)
DIALOG(R)File   9:Business & Industry(R)
(c) 2007 The Gale Group. All rts. reserv.

01476143 Supplier Number: 24168762   (USE FORMAT 7 OR 9 FOR FULLTEXT)
Lexar chip speeds writes to digital-camera memory
(Lexar Media has developed a flash-memory controller that can attain
  1.6-Mbyte/second sustained write time to existing flash chips on a
  CompactFlash card)
Electronic Engineering Times, p 18
February 09, 1998
DOCUMENT TYPE: Journal ISSN: 0192-1541 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 895

     (USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...in about half a second. Next, an embedded engine performs such
processing tasks as color **interpolation** , **edge   enhancement** ,
color-space conversion and **image** scaling. The engine then must compress
the processed image before sending it to a storage...

22/3,K/2   (Item 1 from file: 15)
DIALOG(R)File   15:ABI/Inform(R)
(c) 2007 ProQuest Info&Learning. All rts. reserv.

01188657 98-38052
Reviews: PaperPort Vx
Beckman, Mel
Macworld v13n3 PP: 82 Mar 1996
ISSN: 0741-8647 JRNL CODE: MAW
WORD COUNT: 428

...TEXT: Image-manipulation tools include rotation, manual and automatic
straightening, contrast adjustment, and cropping. A new **image** -resolution-
enhancement feature **improves   image** contrast and **edge** definition via
a slower, **interpolating** scan process. A printing extension lets you print
documents from other applications directly into the...

22/3,K/3   (Item 1 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
(c) 2007 The Gale Group. All rts. reserv.

09658236   Supplier Number: 84157459 (USE FORMAT 7 FOR FULLTEXT)
Crescentec Introduces 4 Megapixel Digital Camera Controller Solutions --
  DC1200.
Business Wire, p0282
March 25, 2002
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 487

...   while optimizing performance, power consumption and cost. The image
enhancement engine performs statistical collection, color **interpolation** ,
Gamma **correction** , color compensation, **edge** detection and **enhancement** ,
 image scaling and many other color processes that are essential to medium
and high end digital...

Sylvia Keys   12-Jan-07 03:59 PM

22/3,K/4   (Item 2 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
(c) 2007 The Gale Group. All rts. reserv.

09212698   Supplier Number: 80158032   (USE FORMAT 7 FOR FULLTEXT)
ALU arrays speed instruction flow.
Marshall, Alan
Electronic Engineering Times, p56
Nov 19, 2001
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 846

...   Running a number of complex algorithms that perform such operations
as correcting for lens aberrations, **interpolating** bad pixels and colors,
autofocus, **edge   enhancement** , **image** compression and writing to flash
memory.
        DSP element
        The performance of the DSP element of...

22/3,K/5   (Item 3 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
(c) 2007 The Gale Group. All rts. reserv.

08070374   Supplier Number: 67336578   (USE FORMAT 7 FOR FULLTEXT)
**SmartASIC gears LCD controllers toward next-generation PCs.(Product
  Announcement)**
Electronic Buyers' News, p120
Nov 27, 2000
Language: English   Record Type: Fulltext
Article Type: Product Announcement
Document Type: Magazine/Journal; Trade
Word Count: 306

...   temporal-based dithering for 6-bit LCD panels.
        The SP1015 and SP1215 use proprietary adaptive **interpolation** and
image -processing algorithms to smooth jagged **edges** in **interpolation** ,
enhance the sharpness of text, and eliminate gray shades for maximum
contrast and readability. Samples of...

22/3,K/6   (Item 4 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
(c) 2007 The Gale Group. All rts. reserv.

08064489   Supplier Number: 67153090   (USE FORMAT 7 FOR FULLTEXT)
LCD controllers take aim at next-gen PCs.(Product Announcement)
Electronic Engineering Times, p142
Nov 20, 2000
Language: English   Record Type: Fulltext
Article Type: Product Announcement
Document Type: Magazine/Journal; Trade
Word Count: 323

...   temporal-based dithering for 6-bit LCD panels.
        The SP1015 and SP1215 use proprietary adaptive **interpolation** and
image -processing algorithms to smooth jagged **edges** in **interpolation** ,

Sylvia Keys   12-Jan-07 03:59 PM

enhance the sharpness of text and eliminate gray shades for maximum
contrast and readability.
         Samples of...

 22/3,K/7   (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2007 The Gale Group. All rts. reserv.

08034484   Supplier Number: 66876519 (USE FORMAT 7 FOR FULLTEXT)
**SmartASIC Introduces Two LCD Controllers Optimized For Next-Generation LCD
  PCs; Direct Interface with Intel's 810/810E DVO Ports Reduces System
  Cost.**
Business Wire, p0560
Nov 13, 2000
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 778

...   less-expensive 6-bit LCD panels.
         The SP1015 and SP1215 employ SmartASIC's proprietary adaptive
interpolation and **image** processing algorithms to smooth jagged **edges**
in **interpolation** , **enhance** the sharpness of text, and eliminate gray
shades for maximum contrast and readability. These chips...

 22/3,K/8   (Item 6 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2007 The Gale Group. All rts. reserv.

05464021   Supplier Number: 48281787 (USE FORMAT 7 FOR FULLTEXT)
Lexar Chip Speeds Writes To Digital-camera Memory
Yoshida, Junko
Electronic Engineering Times, p18
Feb 9, 1998
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 926

...   in about half a second. Next, an embedded engine performs such
processing tasks as color **interpolation** , **edge   enhancement** ,
color-space conversion and **image** scaling. The engine then must compress
the processed image before sending it to a storage...

 22/3,K/9   (Item 7 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2007 The Gale Group. All rts. reserv.

05330500 .   Supplier Number: 48111836 (USE FORMAT 7 FOR FULLTEXT)
Sierra Imaging Grabs Technology Lead in Digital Imaging Chips.
Business Wire, p11101024
Nov 10, 1997
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 516

...   products serving high-growth markets."
     Important Features
     -- Image Transform Processor provides operations such as color

Sylvia Keys   12-Jan-07 03:59 PM

interpolation (de-mosaicizing), **edge enhancement** , color space conversion, **image** scaling and other pre- and user-defined image enhancements
     -- Double-buffered smart DMA allowing pixel...

22/3,K/10   (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2007 The Gale group. All rts. reserv.

04450285   SUPPLIER NUMBER: 17891949   (USE FORMAT 7 OR 9 FOR FULL TEXT)
PaperPort Vx: desktop scanner just gets better. (Visioneer Communications
   sheetfed gray-scale scanner) (Hardware Review) (Evaluation)
Beckman, Mel
Macworld, v13, n3, p82(1)
March, 1996
DOCUMENT TYPE: Evaluation   ISSN: 0741-8647   LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 474   LINE COUNT: 00043

...   Image-manipulation tools include rotation, manual and automatic straightening, contrast adjustment, and cropping. A new **image** -resolution-**enhancement** feature **improves   image** contrast and **edge** definition via a slower, **interpolating** scan process. A printing extension lets you print documents from other applications directly into the...

22/3,K/11   (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM) .
(c) 2007 The Gale Group. All rts. reserv.

02134832   SUPPLIER NUMBER: 20158449   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Chip set could lower digital camera prices. (Sierra Imaging) (Company
   Business and Marketing) (Brief Article)
Seybold Report on Publishing Systems, v27, n8, p20(1)
Dec 22, 1997
DOCUMENT TYPE: Brief Article   ISSN: 0736-7260   LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 277   LINE COUNT: 00025

...   It also provides battery conservation functions. Sierra's software for the chip set handles color **interpolation** (de-mosaicizing), **edge enhancement** , color-space conversion, **image** scaling, JPEG compression and interleaving of color channels. A software development kit allows OEM customers...

22/3,K/12   (Item 1 from file: 484)
DIALOG(R)File 484:Periodical Abs Plustext
(c) 2007 ProQuest. All rts. reserv.

02178697   (USE FORMAT 7 OR 9 FOR FULLTEXT)
Application of ultrasound and computer techniques to lower limb prosthetic
   socket design
Ping He; Kefu Xue; Murka, Paul
Journal of Rehabilitation Research & Development (PJHB), v30-31, p20, p.1
 Dec 1994
 ISSN: 0748-7711   JOURNAL CODE: PJHB
 DOCUMENT TYPE: Feature
 LANGUAGE: English   RECORD TYPE: Fulltext; Abstract

Sylvia Keys   12-Jan-07 03:59 PM

WORD COUNT: 526   LENGTH: Medium (10-30 col inches)

TEXT:
...   has also been made to increase the speed of image reconstruction,
enhance the quality of **image** , and **improve** the accuracy of **edge**
detection and boundary **interpolation** .
     The system has been tested by scanning a healthy volunteer's leg. The
reconstructed ultrasound...

 22/3,K/13   (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

01245825   CMP ACCESSION NUMBER: EET20011119S0048
ALU arrays speed instruction flow
Alan Marshall, Chief Technology Officer, Elixent, Bristol, England
ELECTRONIC ENGINEERING TIMES, 2001, n 1193, PG56
PUBLICATION DATE: 011119
JOURNAL CODE: EET   LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: SIGNALS - FOCUS: HIGH-PERFORMANCE DSPs
WORD COUNT: 790

...   Running a number of complex algorithms that perform such
operations as correcting for lens aberrations, **interpolating** bad pixels
and colors, autofocus, **edge   enhancement** , **image** compression and
writing to flash memory.

 DSP element

 The performance of the DSP element of...

 22/3,K/14   (Item 2 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

01227417   CMP ACCESSION NUMBER: EET20001120S0104
LCD controllers take aim at next-gen PCs
ELECTRONIC ENGINEERING TIMES, 2000, n 1141, PG142
PUBLICATION DATE: 001120
JOURNAL CODE: EET   LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: PRODUCTWEEK - CHIPS
WORD COUNT: 299

...   temporal-based dithering for 6-bit LCD panels.

 The SP1015 and SP1215 use proprietary adaptive **interpolation** and
image -processing algorithms to smooth jagged **edges** in **interpolation** ,
enhance the sharpness of text and eliminate gray shades for maximum
contrast and readability.

 Samples of...

 22/3,K/15   (Item 3 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

Sylvia Keys   12-Jan-07 03:59 PM

...   in about half a second. Next, an embedded engine performs such
processing tasks as color **interpolation** , **edge   enhancement** , color
-space conversion and **image** scaling. The engine then must compress the
processed image before sending it to a storage...
?

30/3,K/1   (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2007 The Gale Group. All rts. reserv.

06600214   Supplier Number: 55608636 (USE FORMAT 7 FOR FULLTEXT)
**MetaCreations Announces Carrara, Next-Generation 3D Software for Print,
   Video and the Web.**
Business Wire, p0140
August 31, 1999
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1212

...   latest advances in
       rendering technologies: First Hit Acceleration, Selective Ray
       Tracing, Shaders and Soft Shadows **Down   Sampling** , High Quality
       Adaptive **Antialiasing** and Symmetric Multiprocessing support.
       -- MetaStream Support: Users can create fully textured objects and
       export them...

30/3,K/2   (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2007 Dialog. All rts. reserv.

06991281 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**METACREATIONS: Complete 3D modelling and animation solution from creators
   of Ray Dream Studio & Infini-D**
M2 PRESSWIRE
September 01, 1999
JOURNAL CODE: WMPR   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 810

  (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   latest advances in rendering technologies: First Hit Acceleration,
Selective Ray Tracing, Shaders and Soft Shadows **Down   Sampling** , High
Quality Adaptive **Antialiasing** and Symmetric Multiprocessing support.
     * MetaStream Support: Users can create fully textured objects and
export them...

32/3,K/1   (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2007 ProQuest Info&Learning. All rts. reserv.

01144962 97-94356
A garden of 24-bit images
Welch, Jill; Orubeondo, Ana; Murdock, Michelle; Marshall, Patrick; et al
InfoWorld v18n3 PP: 64-76 Jan 15, 1996
ISSN: 0199-6649 JRNL CODE: IFW
WORD COUNT: 4109

...TEXT: scanner, interpolated resolution "fills in" images by either
inverting or ignoring pixels (that is, either **sampling** up or **down**).
Interpolation can rectify the "jaggies" on black and white line art but
can result in a...

32/3,K/2   (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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08333610   Supplier Number: 70455783 (USE FORMAT 7 FOR FULLTEXT)
**TeraNex to Showcase New Applications of Video Computer Platform At NAB
  2001.**
Business Wire, p0369
Feb 15, 2001
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 681

...   and film-based content (24 fps), unparalleled 3:2 pull-down
handling, and 32-point **interpolation** on **down - sampling** to CIF and QCIF
image sizes.
        StarStream(TM) Broadband Encoding Platform: TeraNex's broadband
encoding...

32/3,K/3   (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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07844955   Supplier Number: 65505232 (USE FORMAT 7 FOR FULLTEXT)
**Divio NW800 Chip Enables New Class of PC Cameras; Powerful New Chip
  Provides Realtime Video Across USB for PCs and Portable Devices.**
Business Wire, p0053
Sept 27, 2000
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 627

...   saturation, and contrast control

    -- Color space conversion (RGB and YUV 4:2:2)

    -- Missing-pixel **interpolation**

    -- **Down - sampling** support
      PC Camera Manufacturing Kit
      To simplify OEM design efforts, Divio is making available a...

Sylvia Keys   12-Jan-07 04:15 PM

32/3,K/4   (Item 1 from file: 88)

05353435   SUPPLIER NUMBER: 60272090
**New Methods for Computing Interpolation and Decimation Using Polyphase
  Decomposition.**
Emami, Shahriar
IEEE Transactions on Education, 42, 4, 311
Nov, 1999
ISSN: 0018-9359   LANGUAGE: English   RECORD TYPE: Abstract

...AUTHOR ABSTRACT: incorporated into digital signal processing (DSP)
courses that deal with multirate filters.
     Index Terms--Decimation, **down - sampler** , DSP, **interpolation** ,
polyphase, multirate, up-sampler.

32/3,K/5   (Item 1 from file: 635)

0326858 92-76019
**Howtek Introduces the CosMYK 860 Color Computer for Scanmaster D4000 Drum
  Scanner**
Vosler, Jena
PR Newswire (New York, NY, US) s1 p1
PUBL DATE: 920921
WORD COUNT: 292
DATELINE: Hudson, NH, US

TEXT:

     ...and GCR , printing ink tables, maximum and minimum dot (per ink) and
monochrome conversion; data **interpolation** via true **interpolation** ,
replication and **down   sampling** ; data packing either line packed or
binary formats; and hardware links built in for future...

32/3,K/6   (Item 1 from file: 813)

0520418   NE020
**HOWTEK INTRODUCES THE COSMYK 860 COLOR COMPUTER FOR SCANMASTER D4000 DRUM
     SCANNER**

DATE: September 21, 1992   13:31 EDT   WORD COUNT: 302

...and GCR , printing ink tables,
maximum and minimum dot (per ink) and monochrome conversion; data
 interpolation via true **interpolation** , replication and **down   sampling**
;
data packing either line packed or binary formats; and hardware links
built in for future...
?

Sylvia Keys   12-Jan-07 04:15 PM

38/3,K/1   **(Item 1 from file: 9)**
DIALOG(R)File   9:Business & Industry(R)

00910899 Supplier Number: 23478580   (USE FORMAT 7 OR 9 FOR FULLTEXT)
ARM flexed for laser printers
(Laser-printer architecture has undergone changes; Samsung Semiconductor
  unveils KS32C6000 built around ARM7 core)
Electronic Engineering Times, p 94
April 01, 1996
DOCUMENT TYPE: Journal ISSN: 0192-1541 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 517

   (USE FORMAT 7 OR 9 FOR FULLTEXT)

ABSTRACT:
...ASICs -- not as core logic, but as bit-block transfer (BitBLT) engines
-- to execute special **edge - enhancement** and **anti - aliasing**
algorithms.

That's the situation as Samsung Semiconductor announces the first chip to
use its...

TEXT:
...ASICs -- not as core logic, but as bit-block transfer (BitBLT) engines
-- to execute special **edge - enhancement** and **anti - aliasing**
algorithms.

That's the situation as Samsung Semiconductor announces the first chip to
use its...

38/3,K/2   **(Item 1 from file: 16)**
DIALOG(R)File 16:Gale Group PROMT(R)

08716247   Supplier Number: 75493223 (USE FORMAT 7 FOR FULLTEXT)
Sharp Electronics Unveils the NotevisionM15 - A Compact, Versatile
  Projector for the Mobile Executive.
PR Newswire, pNA
June 13, 2001
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 844

..:   signals are also handled through the projector's video inputs. The
M15 features digital keystone **correction** with **edge** smoothing to remove
trapezoidal effects.   **Anti - aliasing** edge smoothing ensures crisp images
while maintaining brightness.
      Sharp offers a full line of LCD...

38/3,K/3   **(Item 2 from file: 16)**
DIALOG(R)File 16:Gale Group PROMT(R)

07232994   Supplier Number: 61456387 (USE FORMAT 7 FOR FULLTEXT)
Seybold Seminars Boston '00 - Workflow: 'Gang of Four' Introduces New Job
  Ticket Format.(Adobe Systems, Agfa, Heidelberg, MAN Roland)(Industry

Trend or Event)
Alexander, George A.; Edwards, Stephen E.; Wolf, Kurt K.
The Seybold Report on Publishing Systems, pNA
April 17, 2000
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 9154

...   and the Java 2D API. It includes all PostScript imaging operations,
and offers the primary **enhancements** of supporting **antialiasing** (for
smoother **edges** within graphics) and partial transparency.
     Artifex Software, Inc., 101 Lucas Valley Rd., Suite 110, San...

38/3,K/4   (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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06270271   Supplier Number: 54380904   (USE FORMAT 7 FOR FULLTEXT)
CrystalGraphics and Sony Announce OEM Relationship.
PR Newswire, p0778
April 14, 1999
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 801

...   broadcast-quality rendering engine. Developed by CrystalGraphics,
this professional-level rendering engine features sub-pixel **anti
aliasing** , mip-mapping, Phong shading, soft **edged** shadows, NTSC video
color **correction** , field rendering and much more.
     Quotes:
     "Crystal 3D Vortex and Crystal 3D IMPACT! Pro satisfy...

38/3,K/5   (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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04049975   Supplier Number: 45891330   (USE FORMAT 7 FOR FULLTEXT)
**Common Ground Announces "Web Friendly" Upgrades with Version 2.01; URL
  Hyperlinks and Netscape support enhancements strengthen Common Ground's
  position as premier portable document software.**
Business Wire, p10301054
Oct 30, 1995
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 481

...   upgrades include:
     -- Enhanced Text - the free MiniViewer now incorporates Common
Ground's PixelGrade(TM) font **anti** - **aliasing** technology. By smoothing
jagged **edges** , **anti** - **aliasing** dramatically **improves** the on-screen
legibility of small type, even on low resolution monitors. Previously, this
feature...

38/3,K/6   (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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Sylvia Keys   12-Jan-07 04:19 PM

03708886   Supplier Number: 45253114   (USE FORMAT 7 FOR FULLTEXT)
MEDIASTREAM
Electronic Engineering Times, p89
Jan 9, 1995
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 580

...   rules - MPEG does not define these, contrary to public belief - or
two -dimensional, static image **enhancement** . Detail boosting, **edge**
smoothing and **anti** - **aliasing** are other popular techniques.
     Rest assured that all the major compression algorithms - Cinepak,
fractals, Indeo...

38/3,K/7   (Item 6 from file: 16)

Sylvia Keys   12-Jan-07 04:19 PM

01669716   Supplier Number: 42073204 (USE FORMAT 7 FOR FULLTEXT)
**SIERRA UNVEILS 65,536 COLOR, 16-BIT VGA COMPATIBLE HICOLOR PALETTE WITH XGA
  COMPATIBLE COLOR PERFORMANCE**
News Release, p1
May 13, 1991
Language: English   Record Type: Fulltext
Document. Type: Magazine/Journal; Trade
Word Count: 743

...   one bit is not used.

     The large number of colors offered by HiCOLOR palettes allows **anti -
     aliasing** , which **improves** graphics quality by smoothing jagged
edges .
     Also, a PC-windowing application enables multiple windows, with
     different images, to be opened without...

 38/3,K/8   **(Item 7 from file: 16)**

01430128   Supplier Number: 41712375 (USE FORMAT 7 FOR FULLTEXT)
**HP OFFERS NEW SEVEN-POUND PORTABLE ANALYZER FOR HIGH-PERFORMANCE DYNAMIC
  MEASUREMENTS**
News Release, p1
Dec 3, 1990
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 494

...   measurement
     functions include complete alias protection and digital zoom for
     high-resolution measures and an **anti - alias** filter that can be
      adjusted for fast- **edge** , time-domain measurements.

     Performance capabilities of the new analyzer include:

     *   70-dB dynamic range and...

 38/3,K/9   **(Item 1 from file: 20)**

22303638 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**New Compaq Presario Options Make Digital Entertainment Faster, Sharper,
  More Realistic**
PR NEWSWIRE
April 17, 2002
JOURNAL CODE: WPRW   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 642

     ...share and enjoy digital entertainment.
     The new, affordable GeForce4 MX420 64MB graphics card featuring
Accuview **Antialiasing** delivers full-scene **improved** realism with fewer
jagged **edges**   and fast, smooth game play on the Compaq Presario 6000 and

Sylvia Keys   12-Jan-07 04:20 PM

8000 PCs, available direct...

 38/3,K/10   (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
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04476340   SUPPLIER NUMBER: 18204980   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Sony's RTE-3000A handles MPEG-1 compression - regardless of source. (Sony
  Electronics' RTE-3000A Advanced Real-Time MPEG-1 Encoder) (Hardware
  Review) (Evaluation)**
Ozer, Jan
PC Magazine, v15, n8, p63(1)
April 23, 1996
DOCUMENT TYPE: Evaluation   ISSN: 0888-8507   LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 874   LINE COUNT: 00070

...   parameters. The RTE-3000A excels in both areas. For example, before
compression, the RTE-3000A **anti - aliases** the digitized video to **improve
  edge** quality and removes analog noise with a low-pass filter.
     MPEG-1 files are composed...

 38/3,K/11   (Item 2 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2007 The Gale group. All rts. reserv.

03777449   SUPPLIER NUMBER: 12723823
**Smoothie 1.02. (Software Review) (Peirce Software's onscreen presentation
  enhancer) (Evaluation)**
McClelland, Deke
Macworld, v9, n11, p176(1)
Nov, 1992
DOCUMENT TYPE: Evaluation   ISSN: 0741-8647   LANGUAGE: ENGLISH
RECORD TYPE: ABSTRACT

ABSTRACT: Peirce Software's $149 Smoothie 1.02 is an excellent on-screen
presentation **enhancing** software package that **antialiases** the **edges** of
images to create smooth screen pictures. The program resolves objects
on-screen and returns...

 38/3,K/12   (Item 3 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
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03536060   SUPPLIER NUMBER: 09779359   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Northgate, Icon feature Edsun Continuous Edge Graphics. (Edsun Laboratories
  Inc.'s digital to analog converter chip is used in Icon Technologies
  International's Photo Board graphics board and Northgate Computer Systems
  Inc.'s SlimLine 386/33 microcomputer) (includes related article on the
  Edsun Continuous Edge Graphics/Digital to Analog Converter chip)
  (Hardware Review) (First Looks) (evaluation)**
Ross, Matthew, J.
PC Magazine, v10, n3, p29(2)
Feb 12, 1991
DOCUMENT TYPE: evaluation   ISSN: 0888-8507   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1358   LINE COUNT: 00105

Sylvia Keys   12-Jan-07 04:20 PM

...ABSTRACT: Northgate Computer Systems Inc's SlimLine 386/33 microcomputer to smooth jagged VGA output with **anti - aliasing . Anti - aliasing adjusts** pixel colors at the **edges** of images to increase a monitor's perceived resolution. Both products include drivers for Lotus...

38/3,K/13   (Item 1 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.

02427189   SUPPLIER NUMBER: 08102536
Antialiasing scan-line data. (Antialiasing) (technical)
Max, Nelson L.
IEEE Computer Graphics and Applications, v10, n1, p18(13)
Jan, 1990
DOCUMENT TYPE: technical   ISSN: 0272-1716   LANGUAGE: English
RECORD TYPE: Abstract

...ABSTRACT: lines being mapped as slanted lines in the output raster coordinates by an image transform. **Antialiasing** can be **improved** by the inference from **edge** -slope information of data along extra scan lines.

38/3,K/14   (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01748303   SUPPLIER NUMBER: 16657913
Digital video filter tips.(Mediastream)(Column)
Doherty, Richard
Electronic Engineering Times, v00000000, n830, p89(1)
Jan 9, 1995
DOCUMENT TYPE: Column   ISSN: 0192-1541   LANGUAGE: ENGLISH
RECORD TYPE: ABSTRACT

...ABSTRACT: save significant amounts of delivery bandwidth or digital video storage. Some popular techniques for output **enhancement** include motion- **reconstruction** estimating rules, **edge** smoothing, detail boosting and **anti - aliasing** . Users should expected to see future enhancements to all the major compression algorithms, including MPEG...

38/3,K/15   (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01664634   SUPPLIER NUMBER: 14614308   (USE FORMAT 7 OR 9 FOR FULL TEXT)
High-speed Windows output. (NEC Technologies' Silentwriter SuperScript 610 laser printer) (Hardware Review) (Evaluation)
Drude, Ted
Computer Shopper, v14, n1, p494(1)
Jan, 1994
DOCUMENT TYPE: Evaluation   ISSN: 0886-0556   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1028   LINE COUNT: 00079

...   300-dpi resolution and prints 6 pages per minute. The SuperScript incorporates NEC's Sharp **Edge** Technology (SET) to **improve   anti - aliasing** . of text and graphics. The test output looked clear and crisp.

Sylvia Keys   12-Jan-07 04:20 PM

The NEC's all...

38/3,K/16   (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01511495   SUPPLIER NUMBER: 12075962   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Quality-enhanced laser printing: RET, PQET, FinePrint, TurboRes, MultiRes,
   etc. (David Spencer analyzes the new generation of laser printers
   exhibited at the October 1991 Seybold Computer Publishing Conference)
Spencer, David
Seybold Report on Desktop Publishing, v6, n8, p3(16)
April 6, 1992
ISSN: 0889-9762   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 7130   LINE COUNT: 00541

...   technologies are going under a variety of names and guises:
Resolution Enhancement, FinePrint, Print Quality **Enhancement , Anti -**
Aliasing , Edge   Enhancement , TurboRes, MultiRes, PhotoGrade, etc. Six
years after the first high-resolution laser printer was announced...yields
very desirable results.
      There are some variations on the theme, including Resolution
Enhancement, TurboRes, **Anti - Aliasing** , FinePrint, Print Quality
Enhancement and **Edge   Enhancement** , as many companies implement variable
spot size tecniques. LaserMaster and XLI work from higher resolution...

38/3,K/17   (Item 4 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01307857   SUPPLIER NUMBER: 07422250   (USE FORMAT 7 OR 9 FOR FULL TEXT)
PixelPaint Professional gets true color. (upgrading of SuperMac
   Technology's PixelPaint 2.0) (product announcement)
Guglielmo, Connie
MacWEEK, v3, n26, p6(1)
July 11, 1989
DOCUMENT TYPE: product announcement   ISSN: 0892-8118   LANGUAGE:
   ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 269   LINE COUNT: 00021

...   emboss and tint effects; more-powerful merge and masking functions
for manipulating scanned photographs; and **improved   anti - aliasing** to
smooth jagged **edges** on both text and objects.
      Owners of any version of PixelPaint can trade up to...

38/3,K/18   (Item 1 from file: 613)
DIALOG(R)File 613:PR Newswire
(c) 2007 PR Newswire Association Inc. All rts. reserv.

00749830 20020417DAW020 (USE FORMAT 7 FOR FULLTEXT)
New Compaq Presario Options Make Digital Entertainment
PR Newswire
Wednesday, April 17, 2002 14:00 EDT
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 664

Sylvia Keys   12-Jan-07 04:20 PM

TEXT:
...share and
enjoy digital entertainment.
     The new, affordable GeForce4 MX420 64MB graphics card featuring
Accuview
 Antialiasing delivers full-scene **improved** realism with fewer jagged
edges and
·fast, smooth game play on the Compaq Presario 6000 and 8000 PCs, available
direct...

 38/3,K/19   (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2007 The Gale Group. All rts. reserv.

04446999   Supplier Number: 55978957   (USE FORMAT 7 FOR FULLTEXT)
Nonlinear editing, DV-style, is ready for primetime with Canopus' DVRex-M1.
Mullen, Steve
Video Systems, pNA
Sept, 1999
Language: English   Record Type: Fulltext
Document Type: Newsletter; Tabloid; Trade
Word Count: 1378

...   16MB SGRAM. Rexfx offers a large library of beautiful 3D
transitions. These render-accelerated, keyframeable, **anti - aliased**
transitions offer light-source highlights, **adjustable** motion paths, and
modifiable **edge** -look. Rexfx also can be used with motion-JPEG material
under Premiere.
        Put simply, the...

 38/3,K/20   (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2007 CMP Media, LLC. All rts. reserv.

01086329   CMP ACCESSION NUMBER: EET19960401S0065
ARM flexed for laser printers
Ron Wilson
ELECTRONIC ENGINEERING TIMES, 1996, n 895, PG94·
PUBLICATION DATE: 960401
JOURNAL CODE: EET   LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: design - Solid State
WORD COUNT: 533

...   ASICs-not as core logic, but as bit-block transfer (BitBLT)
engines-to execute special **edge - enhancement** and **anti - aliasing**
algorithms.
        That's the situation as Samsung Semiconductor announces the first
chip to use its...

 38/3,K/21   (Item 2 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2007 CMP Media, LLC. All rts. reserv.

01040028   CMP ACCESSION NUMBER: EET19950109S0075
Digital video filter tips (Mediastream)
Richard Doherty

Sylvia Keys   12-Jan-07 04:20 PM

...   rules-MPEG does not define these, contrary to public belief -or
two-dimensional, static image **enhancement** . Detail boosting, **edge**
smoothing and **anti - aliasing** are other popular techniques.
     Rest assured that all the major compression algorithms-Cinepak,
fractals, Indeo...
?

40/3,K/1   **(Item 1 from file: 16)**
DIALOG(R)File 16:Gale Group PROMT(R)
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06600214   Supplier Number: 55608636 (USE FORMAT 7 FOR FULLTEXT)
MetaCreations Announces Carrara, Next-Generation 3D Software for Print,
  Video and the Web.
Business Wire, p0140
August 31, 1999
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1212

...   latest advances in
    rendering technologies: First Hit Acceleration, Selective Ray
    Tracing, Shaders and Soft Shadows **Down**   **Sampling** , High Quality
    Adaptive **Antialiasing** and Symmetric Multiprocessing support.
    -- MetaStream Support: Users can create fully textured objects and
    export them...

40/3,K/2   **(Item 1 from file: 20)**
DIALOG(R)File 20:Dialog Global Reporter
(c) 2007 Dialog. All rts. reserv.

06991281 (USE FORMAT 7 OR 9 FOR FULLTEXT)
METACREATIONS: Complete 3D modelling and animation solution from creators
  of Ray Dream Studio & Infini-D
M2 PRESSWIRE
September 01, 1999
JOURNAL CODE: WMPR   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 810

  (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   latest advances in rendering technologies: First Hit Acceleration,
Selective Ray Tracing, Shaders and Soft Shadows **Down** **Sampling** , High
Quality Adaptive **Antialiasing** and Symmetric Multiprocessing support.
    * MetaStream Support: Users can create fully textured objects and
export them...
?